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AkzoNobel

Tomorrow's Answers Today



August 7, 2012

US EPA Office of Pollution Prevention and Toxics
EPA East Building Room 6428
Attn: Section 8(e)
1201 Constitution Avenue, NW
Washington, DC 20004

Cc: Polymer Chemicals bv

SUBJECT: TSCA 8(e) Notice



Dear TSCA Section 8(e) Coordinator:

On behalf of Akzo Nobel Polymer Chemicals LLC, we are submitting results of three studies, an acute oral toxicity study, an eye irritation study and a guinea pig maximization study, conducted with bis (pentane-2,4-dionato) calcium CAS# 19372-44-2. As Lead Registrant of this REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) substance, Polymer Chemicals became aware of this information and, as an importer, is submitting it to the Agency.

The studies were conducted in accordance with OECD guidelines.

In the acute oral toxicity study, female rats (three per dose group) were administered the test article in 0.5% (w/v) carboxymethylcellulose in water at 200 and 2000 mg/kg and observed for 14 days.

Clinical signs of toxicity included piloerection in the 200 mg/kg dose group following dosing and throughout the 14 day observation period. Necropsy did not reveal any abnormalities.

Clinical signs of toxicity in the 2000 mg/kg dose group included piloerection and hunched posture following dosing. All animals died within 24 hours. Necropsy revealed abnormal stomach and G.I. tract content.

The acute oral LD50 was greater than 200 mg/kg and less than 2000 mg/kg.

In the eye irritation study, a 100 mg aliquot of the test article was instilled into the eye of one rabbit. After 1 hour, severe irritation was noted and the study terminated.

In the guinea pig maximization study, the concentrations, listed below, were administered to 5 test animals. The concentrations used were based on results of a preliminary test. Three control animals were treated in a similar manner to the treated group with vehicle substituted for the test article.

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Test Concentrations

Intradermal induction injection: 0.5% in water and 0.5% in FCA emulsion

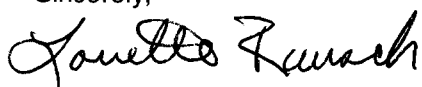
Topical induction: 60% in petrolatum

Topical Challenge: 60% in petrolatum

All five test animals exhibited a positive reaction when compared to control animals.

Please contact me at (312) 544-7061 if you have any questions regarding this letter.

Sincerely,



Louette Rausch
Expertise Leader Regulatory Affairs Americas
Akzo Nobel Services Inc.
525 W. Van Buren
Chicago, IL 60607

From: (312) 544-7061
Louette Rausch
Akzo Nobel
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Origin ID: GYYA



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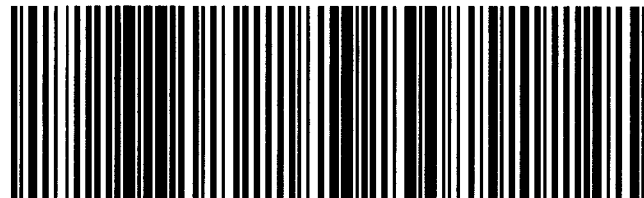
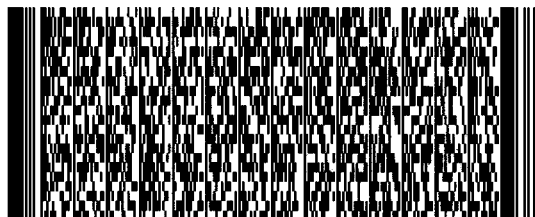
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